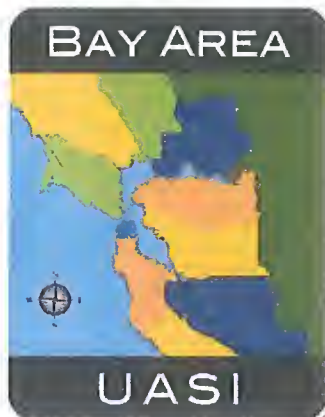


BAY AREA UASI FY 2012 PROJECT PROPOSAL FORM



I. BACKGROUND INFORMATION

I.A. Requestor Contact Information	
Name	Thomas Feledy
Planning Hub	West Bay Planning Hub
Agency	San Francisco Police Department
Position/Title	Lieutenant-Homeland Security Unit
Phone	415-244-4039
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I.B. Operational Area Review

I.C. Project Name
Remote Pilot Video Camera

I.D. Total Project Cost	Annual Sustainment Costs
\$100,000	\$0

I.E MISSION AREAS

Place an X in the box(s) that correspond to the mission area your project supports

<input checked="" type="checkbox"/> Prevent	<input checked="" type="checkbox"/> Protect	<input checked="" type="checkbox"/> Respond	<input checked="" type="checkbox"/> Recover	<input checked="" type="checkbox"/> Mitigation
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I.E Description - Briefly describe exactly what the project entails and what would be accomplished by funding the project. Describe what, if any, existing capabilities the Bay Area Region currently has in place concerning this project such as any plans developed, training delivered, or equipment purchased, etc.

The project involves the deployment of mobile compact video cameras in the visual and infrared spectrum, mounted on small remotely pilot vehicles (RPV's) to provide live overhead views of critical infrastructure before events for response and exercise planning, during events to enhance command and control, or after events to assess damage, reduce hazards to responders, coordinate rescue efforts – and when outfitted with appropriate detectors, transmit real-time, geo-coded data to command centers for chemical, biological, or radiation contamination of targeted areas or infrastructure.

REJECTED

II. ALIGNMENT WITH THE BAY AREA HOMELAND SECURITY STRATEGY

II.A BAY AREA SECURITY GOALS AND OBJECTIVES

Check the Bay Area goal(s) that this project supports. (check one or more)

1	<input type="checkbox"/>	Develop a Regional Risk Management and Planning Program
2	<input type="checkbox"/>	Enhance Information Analysis and Infrastructure Protection Capabilities
3	<input checked="" type="checkbox"/>	Strengthen Communications Capabilities
4	<input type="checkbox"/>	Strengthen Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Detection, Response, and Decontamination Capabilities
5	<input type="checkbox"/>	Enhance Medical and Public Health Preparedness
6	<input type="checkbox"/>	Strengthen Emergency Planning and Citizen Preparedness Capabilities
7	<input type="checkbox"/>	Enhance Recovery Capabilities
8	<input type="checkbox"/>	Enhance Homeland Security Exercise, Evaluation and Training Programs

II.B List each Objective and Implementation Step (by number) from the Bay Area Homeland Security Strategy the project supports, and explain how the project supports the Objective and addresses gaps from the 2011 regional capability assessment.

OBJECTIVE	IMPLEMENTATION STEP(S)	EXPLAIN HOW THE PROJECT SUPPORTS IMPLEMENTATION OF THE OBJECTIVE	EXPLAIN WHICH GAP(S) FROM THE 2011 REGIONAL CAPABILITIES ASSESSMENT THIS PROJECT WILL HELP ADDRESS.
3.1 Strengthen Communications capabilities	3.1-E4 Other authorized communications equipment (e.g., equipment that allows for voice operability, voice interoperability, and then data) as mutually agreed upon by all partners.	<ul style="list-style-type: none"> • Prior to events, aerial cameras will be used by field units to record current vertical images of infrastructure to assess targeting and plan response tactics in event of terrorist attack. • During events, aerial cameras will be used by response teams to assess large areas and high-rise structures such as office buildings or high-voltage lines, monitor large special events, traffic, and search operations to provide intelligence to incident commanders for 	<ul style="list-style-type: none"> • Natural Threats, Relevance Rank #3 - Critical Infrastructure Protection – Needs Extra Attention • Intentional/Terrorism Threats, Relevance Rank #3 Critical Infrastructure Protection – Needs Extra Attention • Natural Threats, Relevance Rank #1 Communications -Needs Attention • Natural Threats, Relevance Rank #4 Emergency Operations Center Management - Needs Attention • Intentional/Terrorism Threats, Relevance Rank #8 Emergency Operations Center Management - Needs Attention • Intentional/Terrorism Threats, Relevance Rank #10 On-site Incident Management – Needs Extra Attention

		<p>optimum asset deployment and to stream live video back to regional command centers, regardless of location, for better unified decision-making.</p> <ul style="list-style-type: none"> • The aerial camera will provide immediate visual information of extent of damage, number and location of casualties, and presence of possible secondary devices or hot spots. • The aerial camera will provide live video of areas suspected of contamination without exposing personnel to hazards on the ground or in the air, or activating secondary devices that detect ground movement. <p>During joint exercises, aerial cameras will allow overhead viewing and recording of live video for immediate or subsequent evaluation by facilitators, and for use in future training of responders</p>	<ul style="list-style-type: none"> • Intentional/Terrorism Threats, Relevance Rank #11 Responder Safety and Health – Needs Extra Attention
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III. FUNDING

III.A Provide the proposed funding amount to be obligated from this Investment towards Planning, Organization, Equipment, Training, and Exercises (POETE) elements. *(Please check the appropriate box(es) on the left side for all that apply). Also, for each funding area selected, provide a brief narrative below describing the items or services being funded.*

ELEMENT		PROPOSED FUNDING
<input type="checkbox"/>	Planning	\$
<input type="checkbox"/>	Organization	\$
<input checked="" type="checkbox"/>	Equipment	\$ 100,000
<input type="checkbox"/>	Training	\$
<input type="checkbox"/>	Exercises	\$
TOTAL PROJECT COSTS		\$ 100,000

If applicable, provide the proposed funding amount from the project that can be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA) funding.

\$

Planning

Organization

Equipment. List the equipment and the Authorized Equipment List number from the www.rkb.us website

AEL Reference Number 03OE-07-RPVS (remotely piloted vehicles)

AEL Reference Number 03SR-05-RBTL (attachments and tools for RPV's)

Training

Exercises

III.B Other Source(s) of funding that is being requested or utilized for this project (check the appropriate box(es) on the left side)

FUNDING SOURCE		PROPOSED FUNDING
<input type="checkbox"/>	SHSP	\$
<input type="checkbox"/>	CCP	\$
<input type="checkbox"/>	MMRS	\$
<input type="checkbox"/>	General Funds	\$
<input type="checkbox"/>	Other Grant Funds	\$
TOTAL OTHER FUNDING		\$0

Other Funds: Explain how any non-UASI funds, such as general funds, SHSP, ASPR grants, etc., will be used to implement this project

III.C For each selected Strategy Objective(s)/Target Capability listed in Question II.B., provide the proposed funding amount to be obligated from this project. The total funding listed for all Objectives/Capabilities should equal the total funding for the project

STRATEGY OBJECTIVE/TARGET CAPABILITIES (CAPABILITIES SELECTED MUST MATCH WITH SECTION II.B.)	AMOUNT OF FUNDING PER OBJECTIVE/CAPABILITY	
	3.1	
Planning		
Communications	\$100,000	
Community Preparedness and Participation		
Risk management		
Intelligence and Information Sharing and Dissemination		
Information Gathering and Recognition of Indicators and Warnings		
Intelligence Analysis and Production		
Counter-Terror Investigation and Law Enforcement		
CBRNE Detection		
Critical Infrastructure Protection		
Food and Agriculture Safety and Defense		
Epidemiological Surveillance and Investigation		
Laboratory Testing		
On-Site Incident Management		
Emergency Operations Center Management		
Critical Resource Logistics and Distribution		
Volunteer Management and Donations		
Responder Safety and Health		
Emergency Public Safety and Security		
Environmental Health		
Explosive Device Response Operations		
Fire Incident Response Support		
WMD and Hazardous Materials Response and Decontamination		

III.C For each selected Strategy Objective(s)/Target Capability listed in Question II.B., provide the proposed funding amount to be obligated from this project. The total funding listed for all Objectives/Capabilities should equal the total funding for the project

STRATEGY OBJECTIVE/TARGET CAPABILITIES (CAPABILITIES SELECTED MUST MATCH WITH SECTION II.B.)	AMOUNT OF FUNDING PER OBJECTIVE/CAPABILITY	
	3.1	
Citizen Evacuation and Shelter-in-Place		
Isolation and Quarantine		
Search and Rescue (Land-Based)		
Emergency Public Information and Warning		
Emergency Triage and Pre-Hospital Treatment		
Medical Surge		
Medical Supplies Management and Distribution		
Mass Prophylaxis		
Mass Care (Sheltering, Feeding, and Related Services)		
Fatality Management		
Structural Damage Assessment		
Restoration of Lifelines		
Economic and Community Recovery		
Total	\$100,000	

IV. Project Impacts and Outcomes

IV.A Project Outcomes: Describe the regional outcomes and benefits that will be achieved as a result of this project. When describing the regional outcomes and benefits, describe the number of operational areas in the region that will directly benefit from this project. The outcomes and benefits should demonstrate improvement towards building or maintaining capabilities and reducing risk.

- Funding this project will create a capability for rapid overhead viewing of potential and actual target areas with **minimal risk** to providers that **currently does not exist** in any of the 12 operational areas in the region. All 12 operational areas in the region presently rely on aircraft piloted and maintained by a few local law enforcement agencies, or by state and federal agencies, along with news media, when present, to provide critical live overhead video images to command centers.
- The **cost** of operating the new generation of quad-rotor RPV's proposed here is less than 1% of the cost of purchasing, operating and maintaining full-size aircraft. The RPV proposed operates on rechargeable batteries. It requires no expensive fuels or maintenance and costs only pennies to operate.
- The **risk to responding personnel and the public** from operating these small, battery-operated RPV's is negligible when compared to the risk of an airplane or helicopter crash in an urban area.
- The small size and modular construction of the new generation of quad-rotor RPV's makes them **easily deployable** throughout all 12 areas of the region at a moment's notice. The entire craft, extra batteries, and control tablet-PC fit into a single well-padded 2-foot square case, and can be loaded by one person into a vehicle trunk for transport throughout the region.
- The **map-based software user interface** on a **ruggedized tablet computer** requires **minimal training** for operators. In contrast to full-size aircraft which require pilots and mechanics with years of training specifically assigned to dedicated air units, acquisition of the proposed RPV significantly expands the range of agencies which can operate an air asset, enabling officers from different agencies in the region to quickly learn to deploy the RPV with minimal training in their operational area.

V. Project Management

V.A Identify up to ten milestones, with start and end dates, which will be achieved within the twenty month (20) period of performance under the FY 2012 UASI grant. No start date should begin before January 1, 2013 and no end date should end after September 30, 2014.

MILESTONE NUMBER	MILESTONE NAME/DESCRIPTION	START DATE (MM/DD/YYYY)	END DATE (MM/DD/YYYY)
1	Prepare requisition for RPV	10/01/2012	01/15/2013
2	Obtain OCA approval	01/16/2013	03/31/2013
3	Conduct the bid process	04/01/2013	04/30/2013
4	Order RPV from selected vendor	05/01/2013	05/30/2013
5	Obtain FAA COA	06/01/2013	06/30/2013
6	Take delivery and receive vendor training	09/01/2013	
7			
8			
9			
10			

V.B Project Status. Place an X in the corresponding box:

<input type="checkbox"/>	This project is a maintenance project.
<input checked="" type="checkbox"/>	This project is a self-contained project.
<input type="checkbox"/>	This project is part of an ongoing initiative.

Explain how funding for this project will either maintain a capability in the region, complete a self-contained project, or complete a larger initiative or a phase of a larger initiative of which this project is a part of? Explain how the project will result in completion.

This is a self-contained project, consisting of acquisition of one fully equipped RPV. The RPV will be delivered fully equipped to our specifications, and vendor training will be provided as part of the purchase. The project is completed at the end of training.

V.C Sustainment: Describe the long-term approach to sustaining the capabilities maintained or enhanced by this project without UASI funds once the grant performance period is over. To the extent funds are needed for sustainment in the future, will future grants be needed for sustainment or will local funds be used? If no funds are needed, explain why.

No additional grant funding is needed other than equipment and vendor-based training for completion of this project.

Operating costs consist of one person who deploys and then operates the RPV at the request of incident commanders. The RPV operates on rechargeable batteries, the use of which incurs negligible costs which, along with personnel costs, will be absorbed by the SFPD.

The RPV and associated parts are designed to be modular and maintenance free for their lifetime. Any repair or parts replacement due to inadvertent damage is expected to be minimal and will be absorbed by SFPD.

REJECTED